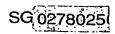
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CLAIMS

- 1. An analog scanning processor for generation of a dynamic focus correction signal for use with a CRT, wherein the dynamic focus correction signal, x^n , is characterised in that it is proportional to $Kx^2 + (1-K)x^4$, where x is the distance from a mid point of a viewing surface of the CRT, and K is a real number in the range $0 \le K < 1$.
- 2. An analog scanning processor as claimed in claim 1 wherein the dynamic correction signal is a horizontal dynamic focus correction signal.
- 3. An analog scanning processor as claimed in claim 1 wherein the dynamic correction signal is a vertical dynamic focus correction signal.
- An analog scanning processor as claimed in any one of the preceding
 claims wherein the processor is arranged to generate a plurality of dynamic correction signals.
- An analog scanning processor as claimed in any one of the preceding claims additionally including means for generating a dynamic brightness correction
 signal.
 - 6. An analog scanning processor as claimed in claim 5 wherein the dynamic correction signal for use in a horizontal direction is different to the dynamic correction signal for use in a vertical direction.
 - 7. An analog scanning processor as claimed in any one of the preceding claims wherein the processor includes a shape adjustment circuit arranged to receive as inputs:
 - a sawtooth waveform at the deflection frequency;
- a shape control signal; and
 - an amplitude control signal,

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wherein the shape adjustment circuit is arranged to produce a signal which approximates closely to the sawtooth input waveform raised to a power n, where n is a real number.

- 5 8. An analog scanning processor as claimed in claim 7 wherein the value of n is in the range 2.00 to 4.00
 - 9. An analog scanning processor as claimed in any one of the proceeding claims, wherein the value of n is approximately 2.6.
 - 10. An analog scanning processor as claimed in any one of the proceeding claims wherein the value of K is approximately 0.59.